WITH THE FARMERS

By Prof. W. F. MASSEY



d him. He began again to plow made for 50 cents. ght inches deep with a two-horse was again stopped by he merely double disked it he got four know the reason for this variation. He ays that we advise disking corn land

experience is no argument against the practice of disking corn land for wheat. The plowed land under the

that four or five these of the thought of the properties of the four or five these of the thought of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk, and the thing of the surface with a disk and a soll please of the surface with a disk and the surface with a disk

in my own tests. I have tried a culvery favorable results, and I have s crimson clover culture from the same A farmer writes establishment which I am now try-hat he plowed ing. But I would not say that this is 911, and in the shows up equally well with the clover

oring planted it in 1 will be in a position to say that it bern. He had a good has done well with me. of corn. Cut I have tried some other things that shocked it in have been advertised and found them eptember, and be- wanting, and, of course, I cannot say in to plow the anything about any that I have not nd twelve inches tried. But I do think that a culture of the with a disk bacteria enough to inoculate seed by plow. Heavy rain an acre cannot, if it is really good, be

Insects on Dahlins, A lady correspondent in Nottoway by rain. The remainder of the land simply doubled disked and seeded with little files that suck the life out of the buds, and wishes to know what to do for them. It is doubtless the twelve inches deep he honeydew aphis that is eating your venteen bushels an acre. Where dahlia buds, and probably you will find the leaves sticky with the sweet the land was broken eight inches deep exudation. Get some tobacco stems he got ten bushels an acre, and where and boil them down to a strong tea the seedsmen in Richmond which give the nicotine in a more concentrated of water, and find it very effective.

Improving an Orchard. In the first place, he says that the adding greater value to The Times-Dissoll was a sandy lear with a red patch. I wish some information in resoil was a sandy loam with a fed platch. I wish some information in reclay subsoil. He plowed it deeply in the spring. By the fall this land was in the same condition as though it had not been plowed. Had he replowed it well in the spring there was in the same condition as though it had not been plowed. Had he replowed it well in the spring there would have been a different state of would have been a different state of ter, and how would you apply it? I am thinking of digging around the trees as far out as the limbs extend and the fresh the began to plow twelve inches deep, and heavy rain came. That deep plowing had brought up the clay and made the land a better wheat soil. The rain compacted it for him, and did the same for the land plowed eight inches deep, making conditions that he would have had trouble to repeat had the weather remained dry. Then, when it did get dry he hastily double disked, as he says, the remaining part of the land not been broken for a year, and sowed the wheat. Now this wheat. The plowed land under the weather conditions got settled, and the clay brought up made it really a better wheat soil. The double disking on land that had not been plowed for a year left the land too cloddy and loose to sow. If he had gone over it with a spike harrow till the surface was made as fine as an onion bed it might have done better.

I do not believe in deep plowing that late in the season if the land hay or pasture. Encourage that the in the season if the land hay or pasture. Encourage the growth of the grass by top dressing that late in the season if the land have had believe that the bringing up of the red clay and the packing of it by heavy rains made all the difference, while the part merely disked was not fined nor settled, as he had no more rain. He was simply fortunate in having the rain to pack the soil for him, for, plowing deeply that late, he would have had difficulty in compacting the soil. Under the conditions named, it would have been well to have plowed all the land four or five lines deep and then harrowed and harrowed till the surface was fine.

Sundry Truck Questions.

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Bears Unprepared for the Announcement of Union Pacific Subscription.

BY BROADAN WALL.

New York, September 5.—Wall Street bears were unprepared for the aneply a sandy loam surely good simply because I found nouncement that about 92 per cent of in the fall of the culture for cowpeas good. If it the \$88,000,000 Southern Pacific certificates had been subscribed for, leaving only 8 per cent to be absorbed by the underwriting syndicate.

To-day's opening was active with the leading stocks, showing fractional gains. Southern Pacific started at 90 3-8, an advance of 7-8 over night. Later in the day the shares moved up to 91 1-8, and closed with a gain of one point. It is estimated that there is a fairly large short interest open in this stock, the success of the sale being a complete surprise to many pro-

fessional pessimists.

There was some irregularity in the early trading. London houses sold be tween 20,000 and 25,000 shares. For cign markets ruled quiet, and activity was restrained by the closing of Lon don stock exchange to-morrow Speculative interest centred largely in the copper stock. The firm market for the metal continued, and sharp ad vances were scored in Utah Copper Amalgamated and Chino; while the minor coppers advanced fractionally Steel was active again at the expense I use a concentrated article of the shorts. The same traders who on Thursday were active bidders to cover short contracts around 63 1-2 The statement of steel tonnage, to be made public on Wednesday, will no doubt be unfavorable, but as a market factor the effect has no doubt been

> Union Pacific made a quick recovery crossing 151. There is excellent rea-son for believing that the company will distribute an extra cash bonus to shareholders probably within the next s. As a 10 per cent stock, would be nearer intrinsic six months.

news were the decline in prices for cotton and the cereals and a moderate there is a good grass sod. I would not citizen it bere is a good grass sod. I would not citizen it but would apply fertilizer liberally over the space where the limbs drop and a little beyond rather which for some time past have shown than near the trunks of the trees heavy losses. In view of the amount

have shown time and again in my the same land that would make twenty in the prices of corn, the same land that would make twenty in the same land that would make twen

Church Motices

SHOW SOME GAINS Here's the Proposition-Win \$300 Cash What's Your Answer?

You can get all the Booklovers' Contest pictures to date absolutely free with the Catalogue and Answer Book, and start playing this great game of playing your way to fortune. Read to-day's contest story---it's all about YOU.

Here Are the Rules.

The contest is open to all readers of this paper. Only Times-Dispatch employes and members of their families are barred. Daily for 77 days will be published in The Times-Dispatch a picture representing the title of a book, one each day. Beneath this picture will be a coupon to fill in with the name of the book and the author, together with the name and address of entrant.

Cut out the picture and coupon, filling in the book title and author's name, writing your name and address neatly and plainly in the place provided.

No restrictions are placed on the manner in which answers to pictures are secured. Each picture represents the title of one book only. If you are not certain of your solution you may send in one to ten answers to the picture. NO MORE THAN TEN ANSWERS WILL BE ACCEPTED TO A PICTURE. Incorrect answers will not count against contestant if correct answer is also given. And put one answer to each picture and coupon. Extra coupons must be secured and used for extra answers. All answers to each picture must be kept together in compiling your set.

Additional pictures and coupons may be obtained at The Times-Dispatch office, by mail or by person. Answers will not be accepted unless they are properly filled out on the coupons appearing beneath each picture. It is necessary that pictures be sent in with the answers in order that all answers may be uniform-

When you have all 77 answers, fasten them together and bring them or mail them in a neat flat package-not folded or rolled-to The Times-Dispatch office, addressed "BOOKLOVERS' CONTEST EDITOR." Prizes will be awarded contestants sending in the largest number of correct solutions. In the event of two or more persons having the same number of correct solutions, the person using the smallest number of extra coupons on the set of answers will be declared the winner. In the event of two or more persons having the same number of correct solutions, and using the same number of coupons, an equal interest in the prizes tied for will be given to each of the tying contestants, or the persons involved in the tie may choose any one of the lesser prizes.

More than one prize will not be awarded to any one family at one address, but each member of the family may enter the contest and submit a complete set.

Only one complete set (comprising not more than 10 answers to any one picture) of answers may be submitted by a contestant. Awards will be made strictly according to the merit of each separate list. The names of more than one person must not be written on any one coupon.

All answers will be considered on their merits. The first set filed will have no preference over the last set filed; provided only that answers must be filed within the time specified after the last picture has appeared.

The awards will be made by the Contest Editor and three wellknown citizens whose names will be announced later.

The correct answers to the series of pictures will be filed with a local trust company or bank previous to the close of the contest.

The Times-Dispatch's Great \$1200.00 Gold Booklovers' Contest Picture No. 42 Date, September 6th.



What	Book	Does	This	Picture	Represent?
Write	Title	and Na	me of	Author in	Form Below

write ritle and Name of Author in Form Be	ow
Title	
Author	
Your Name	•
Street and Number	
City or Town	

Each day a different picture appears in this space. Cut them out. Save them until the last picture appears on October 11th. Don't send in partial lists. Wait until you have all the answers to the 77. Read Rules, Daily Story and Special Announcements in another part of this paper. It will help you win a prize. Extra pictures and coupons of any date that have appeared may be had at 2c. Enter to-day without registering your name. Merely Save Pictures and Coupons as they appear.

USE THIS ORDER BLANK FOR CATALOGUE

If you cut this order form, fill it out and send or bring it in with the sum designated, you will receive the Official Copyrighted Contest Catalogue of about 5,000 book titles, and seven certificates redeemable for the first thirty-five pictures in the contest. In the catalogue are all the correct titles to the seventy-seven pictures. Catalogues, 35 cents at this office, 40 cents by mail.

Do Not Send Stamps or Silver. Send Check or Money Order. Booklovers' Contest Editor,

The Times-Dispatch:

Inclosed find 40 cents, for which send me a Booklovers' Contest Catalogue of about 5,000 book titles and the seven certificates redeemable for the first thirty-five pictures.

GET AN ANSWER BOOK (It Contains 77 Double Pages) **AND 35 PICTURES** FREE

You can make ten answers to each picture, yet only need but one copy of each picture

On the upper page you paste a picture. On the lower section you write from one to ten book titles which you have selected for the pic-

You save time, labor and expense with an Answer Book, and it helps

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your Answer Book and six certificates, returnable as the pictures appear in the contest for Pictures Nos. 36 to 70. Name

City State..... State.....

Do not send stamps or silver. Send check or money order.